2006-08 MAINTENANCE

Maintenance - Civic GX

LUBRICANTS AND FLUIDS

For details of lubrication points and type of lubricants to be applied, refer to the illustrated index and various work procedures (such as Assembly/Reassembly, Replacement, Overhaul, Installation, etc.) contained in each section.

LUBRICANTS AND FLUIDS SPECIFICATION

Application		Lubricant or Fluid
A	Engine	Honda Motor Oil: P/N 08798-9023 (5W-20) Look for the API certification seal on the oil container. Make sure it says "For Gasoline Engines." SAE viscosity: See chart.
B	Automatic transmission	Honda Automatic Transmission Fluid (ATF-Z1): P/N 08200-9001 Always use Honda ATF-Z1. Using a non-Honda ATF can affect shift quality.
C	Brake system (including ABS line)	Honda DOT 3 Brake Fluid: P/N 08798-9008 Always use Honda DOT 3 Brake Fluid. Using a non-Honda brake fluid can cause corrosion and decrease the life of the system.
D	Brake booster clevis	Multipurpose Grease
E	Battery terminals	
F	Fuel fill door	
G	Hood hinges and hood latch	
H	Trunk hinges	
I	Rear brake shoe linkage	Rubber Grease
J	Caliper piston boots, caliper piston seals, caliper pins, and boots	Honda Silicone Grease: P/N 08C30-B0234M

K	Power steering system	Honda Power Steering Fluid: P/N 08206-9002 Always use Honda Power Steering Fluid. Using any other type of power steering fluid or automatic transmission fluid can cause increased wear and poor steering in cold weather.
L	Air conditioning compressor	Compressor oil: SP-10 (P/N 38897-P13-A01AH or 38899-P13-A01) for refrigerant HFC-134a (R-134a)
M	Cooling system	Honda Long Life Antifreeze/Coolant Type 2 P/N OL999-9001

Fig. 1: Identifying API Certification Seal

Recommended Engine Oil

Engine oil viscosity for ambient temperature ranges

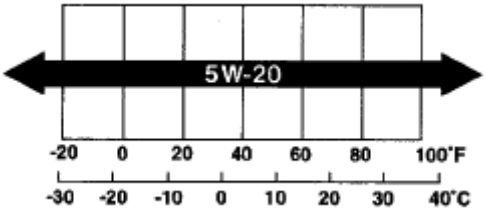

Fig. 2: Identifying Engine Oil Viscosity Ranges

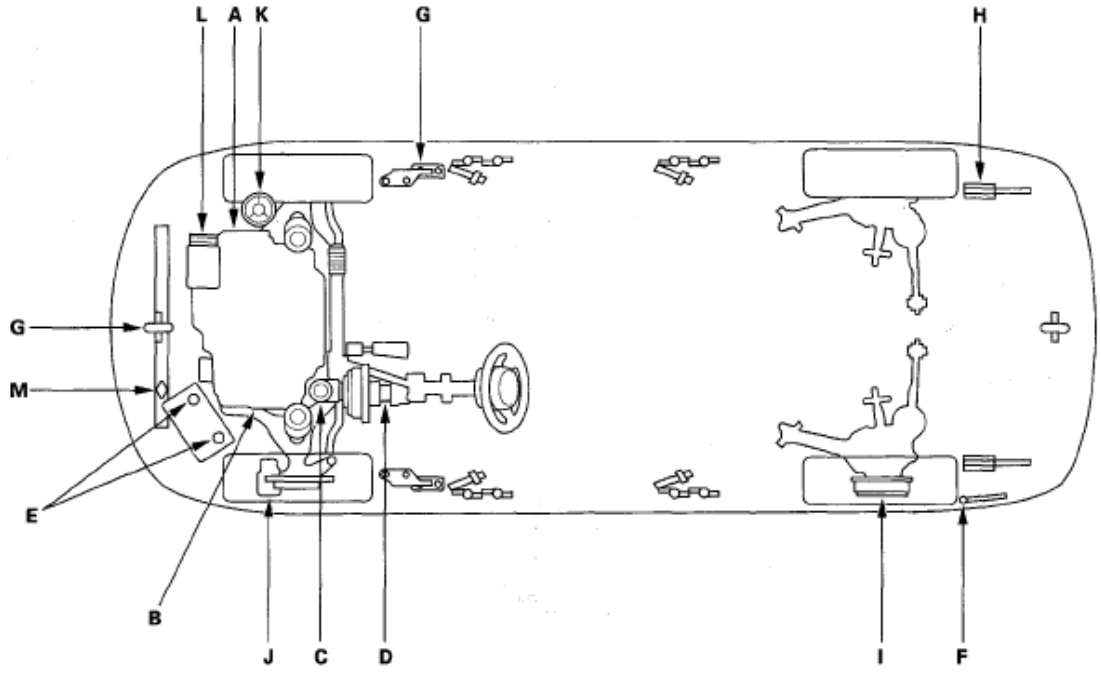

Fig. 3: Identifying Lubrication Or Fluid Location

MAINTENANCE MINDER

GENERAL INFORMATION

Maintenance Display

The Maintenance Minder is an important feature of the information display. The Civic GX's onboard computer (PCM) calculates the remaining engine oil life and automatic transmission fluid life. The system also displays the code for other scheduled maintenance items needing service.

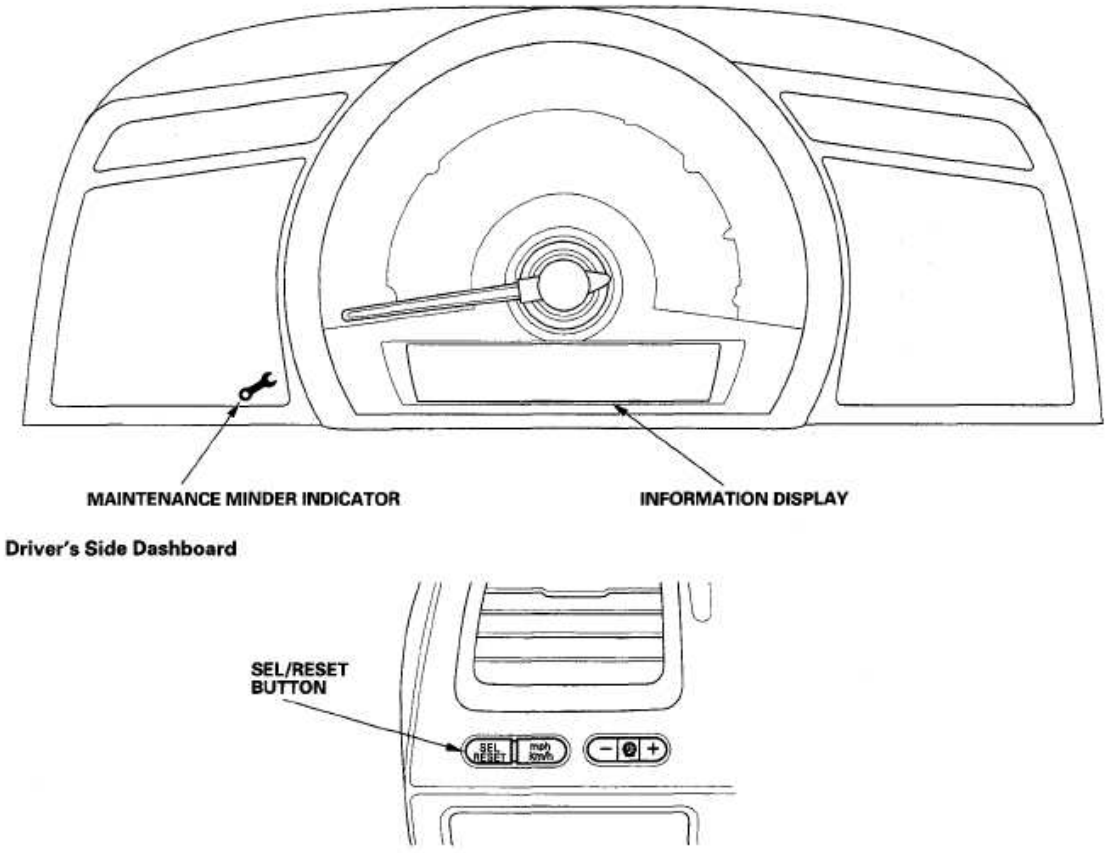

Fig. 4: Identifying Maintenance Display

Service Information

1. The remaining engine oil life (A) is shown as a percentage in the information display. To see the current engine oil life, turn the ignition switch to the ON (II) position, then push and release the SEL/RESET button repeatedly until the engine oil life displays.

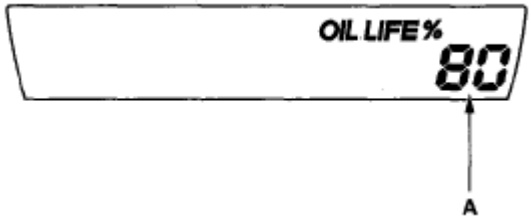

Fig. 5: Information Display - Remaining Engine Oil Life

2. When the ignition switch is in the ON (II) position, and the remaining engine oil life is 6 % to 15 %, the remaining engine oil life (A) and other scheduled

maintenance item(s) needing service are displayed. The maintenance minder indicator (B) also comes on when the engine oil life is 15 % or less. To cancel the display and the indicator, press the SEL/RESET button.

- Complete list of maintenance main items (C) (see **MAINTENANCE MAIN ITEMS**).
- Complete list of maintenance sub items (D) (see **MAINTENANCE SUB ITEMS**).

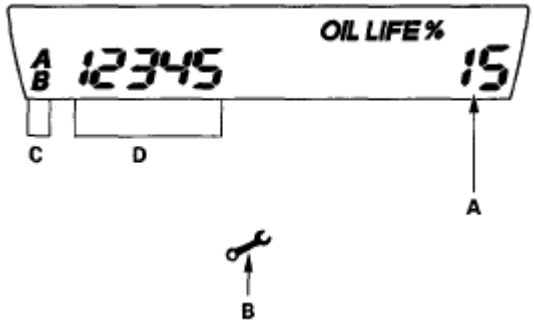

Fig. 6: Information Display - Maintenance Main & Sub Items

3. When the ignition switch is in the ON (II) position, and the remaining engine oil life is 1 % to 5 %, the message "SERVICE" (A) is displayed along with engine oil life and the same maintenance item code(s).

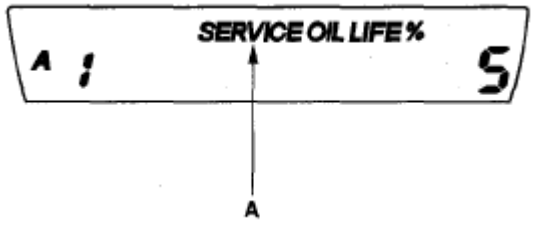

Fig. 7: Information Display - Remaining Service Oil Life

4. When the ignition switch is in the ON (II) position, and the remaining engine oil life is 0 %, the engine oil life indicator (A) blinks.

   Pressing the SEL/RESET button cancels the display, but the maintenance minder indicator stays on.

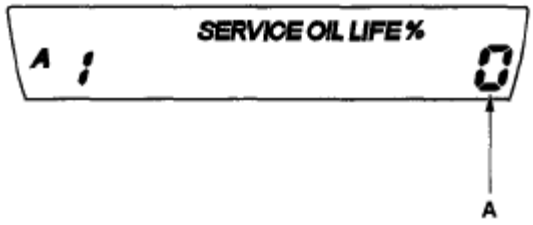

Fig. 8: Information Display - 0% Service Engine Oil Life

5. If the indicated maintenance is not done, the engine oil life indicator shows a negative mileage, for example "-10," on the display.

   If the negative mileage is between 0 and -9, the indicator is displayed for only a few seconds when the ignition switch is turned to the ON (II) position. The negative mileage remains displayed after the vehicle is driven more than 10 miles after 0 % oil life is reached.

   This means the indicated maintenance item(s) should have been done more than 10 miles ago.

Fig. 9: Information Display - Negative Service Engine Oil Life

Resetting the Maintenance Information Display

NOTE:

- **The vehicle must be stopped to reset the display.**
- **If a required service is done and the display is not reset, or if the maintenance display is reset without doing the service, the system will not show the proper maintenance timing. This can lead to serious mechanical problems because there will be no accurate record of when the required maintenance is needed.**

1. Turn the ignition switch to the ON (II) position.
2. Press the SEL/RESET button repeatedly until the engine oil life indicator is displayed.

3. Press and release and hold the SEL/RESET button for about 10 seconds. The engine oil life indicator and the maintenance item code(s) will blink.

NOTE: If you are resetting the display when the engine oil life is more than 15 %, make sure any maintenance item(s) requiring service are done before resetting the display.

4. Press and hold the SEL/RESET button for another 5 seconds. The maintenance item code(s) will disappear, and the engine oil life will reset to "100."

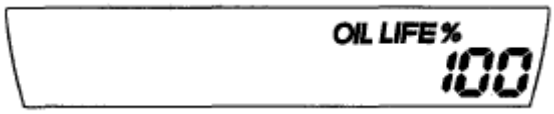

Fig. 10: Information Display - Reset Engine Oil Life

MAINTENANCE MAIN ITEMS

If the message "SERVICE" does not appear more than 12 months after the display is reset, change the engine oil every year.

NOTE:
- **Replace the brake fluid every 3 years (Independent of the maintenance messages in the information display).**
- **Inspect idle speed every 160,000 miles (256,000 km).**
- **Adjust the valves during services A, B, 1, 2 or 3, only if they are noisy.**

MAINTENANCE MAIN ITEMS REFERENCE

Symbol	Maintenance Main Items
A	Replace engine oil (see **ENGINE OIL REPLACEMENT**) Engine oil capacity without oil filter: 3.5 L (3.7 US qt).
B	Replace engine oil and oil filter (see **ENGINE OIL FILTER REPLACEMENT**)

Engine oil capacity with oil filter: 3.7 L (3.9 US qt).
Replace fuel filter B element (low pressure) (see **FUEL FILTER B ELEMENT REPLACEMENT**).
Drain fuel filter A (high pressure) (see **FUEL FILTER A WATER BLEEDING**).
Inspect front and rear brakes (see **COMPONENT LOCATION INDEX**). • Check pads and discs for wear (thickness), damage, and cracks. • Check calipers for damage, leaks, and tightness of mounting bolts. • Check the wheel cylinder for leaks. • Check the brake linings for cracking, glazing, wear or contamination.
Check parking brake adjustment (see **PARKING BRAKE INSPECTION AND ADJUSTMENT**) Check the number of clicks (8 to 10) when the parking brake lever is pulled with 196 N (20 kgf, 44 lbf) of force.
Inspect tie-rod ends, steering gearbox, and gearbox boots (see **STEERING LINKAGE AND GEARBOX INSPECTION**) • Check rack grease and steering linkage. • Check boots for damage and leaking grease. • Check fluid lines for damage and

leaks.
Inspect suspension components (see **FRONT AND REAR SUSPENSION (INSPECTION) (ALL EXCEPT HYBRID)**) • Check bolts for tightness. • Check condition of ball joint boots for deterioration and damage.
Inspect driveshaft boots (see **DRIVESHAFT INSPECTION**) Check boots for cracks and boot bands for tightness.
Inspect brake hoses and lines including ABS (see **BRAKE HOSE AND LINE INSPECTION**) Check the master cylinder and ABS modulator-control unit for damage or leakage.
Inspect all fluid levels and condition of fluids. • Engine coolant (see **COOLANT CHECK**) • Automatic transmission fluid (ATF-Z1) (see **ATF LEVEL CHECK**) • Power steering fluid (see **FLUID REPLACEMENT**) • Brake fluid (see **BRAKE SYSTEM BLEEDING**) • Windshield washer fluid.
Inspect exhaust system*2 (see **EXHAUST PIPE AND MUFFLER REPLACEMENT**)

	Check catalytic converter heat shields, exhaust pipes, and muffler for damage, leaks, and tightness.
	Inspect fuel lines and connections *2 (see **FUEL LINE INSPECTION**). Check for loose connections, cracks, and deterioration; retighten loose connections and replace damaged parts.

NOTE: According to state and federal regulations, failure to do the maintenance items marked with an asterisk (* 2) will not void the customer's emissions warranties. However, Honda recommends that all maintenance services be done at the recommended interval, to ensure long-term reliability.

MAINTENANCE SUB ITEMS

- Fuel tank should be replaced 15 years after manufactured.
- If the item number 2 does not appear more than 36 months after the display is reset, inspect the fuel tank every 3 years.

MAINTENANCE SUB ITEMS REFERENCE

Number	Maintenance Sub Items
1	Rotate tires, and check tire inflation and condition. Follow the pattern shown in the Owner's Manual.
2	Replace air cleaner element (see **AIR CLEANER ELEMENT INSPECTION/REPLACEMENT**) Replace every 15,000 miles (24,000 km), if the vehicle is driven primarily in dusty conditions.
	Replace dust and pollen filter (see **DUST AND POLLEN FILTER**

	REPLACEMENT) • Replace the filter at 15,000 miles (24,000 km) intervals, if the vehicle is driven primarily in urban areas that have high concentrations of soot in the air from industry and diesel-powered vehicles. • Replace the filter whenever airflow from the heating and cooling system is less than normal.
	Replace fuel filter A element (high pressure) (see **FUEL FILTER A REPLACEMENT**).
	Inspect fuel tank (see **FUEL TANK INSPECTION**).
	Inspect valve clearance (cold) (see **VALVE CLEARANCE ADJUSTMENT**) Intake: 0.18-0.22 mm (0.007-0.009 in.), Exhaust: 0.23-0.27 mm (0.009-0.011 in.).
	Inspect drive belt (see **DRIVE BELT INSPECTION**) Look for cracks and damage, then check the position of the drive belt auto-tensioner indicator.
3	Replace automatic transmission fluid (see **ATF REPLACEMENT**) Capacity: 2.4 L (2.5 US qt); use Honda ATF-Z1.
4	Replace spark plugs (see **SPARK PLUG INSPECTION**). Use IFR7F8DS (NGK).
5	Replace engine coolant (see **COOLANT REPLACEMENT**)

	Capacity (including the reservoir): 5.3 L (1.40 US gal); use Honda Long Life Antifreeze/Coolant Type 2.